

Commonwealth of Kentucky
Natural Resources and Environmental Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382

AIR QUALITY PERMIT

Permittee Name: Cooper Tire & Rubber Company -
Engineered Products Division
Mailing Address: P.O. Box 550, Findlay, Ohio 45839-0550

is authorized to operate a rubber hose and belting manufacturing plant and is authorized to construct and operate two rubber body seals lines At 250 Oak Grove Drive, Mount Sterling, Kentucky

Source Name: Cooper Tire & Rubber Company -
Engineered Products Division
Mailing Address: 250 Oak Grove Drive, Mount Sterling, Kentucky 40353

Source Location: 250 Oak Grove Drive, Mount Sterling, Kentucky
Permit Type: Federally-Enforceable
Review Type: Synthetic Minor; Title V Minor Revision
Permit Number: V-97-026 (Revision 1)
Log Number: F641
Application
Complete Date: May 19, 1998
KYEIS #: 103-2860-0030
AFS Plant ID #: 21-173-00030
SIC Code: 3052

Region: Huntington-Ashland-Portsmouth-Ironton
County: Montgomery

Issuance Date: August 31, 1998
Expiration Date: February 18, 2003

John E. Hornback, Director
Division for Air Quality

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SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application which was determined to be complete on May 19, 1998, the Kentucky Division for Air Quality hereby authorizes the construction and operation of the equipment (for points: 03 boiler, 06 knit/spiral hose line, 07 off-line adhesive application unit #1, 10 and 12 two autoclaves, 24 dual durometer line #1, 25 cascade line #1) and operation of the remaining equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto and shall become the final permit unless the U.S.EPA files an objection pursuant to Regulation 401 KAR 50:035, Section 21(3).

The permittee shall not construct, reconstruct, or modify any emissions units without first having submitted a complete application and received a permit for the planned activity from the permitting authority, except as provided in this permit or in Regulation 401 KAR 50:035, Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Division or any other federal, state, or local agency.

SECTION B -EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Emissions Units: 01, 02 (01, 02) (Each Boiler) - SN-1 and SN-2 Indirect heat exchangers

Description:

Natural gas-fired units

Number two fuel oil used as a secondary (backup) fuel

Maximum continuous rating: 9.21 MMBTU/hour, each

Applicable Regulations:

Regulation 401 KAR 59:015, New indirect heat exchangers, for units less than 250 MMBTU/hour commenced on or after April 9, 1972.

1. Operating Limitations:

None

2. Emission Limitations:

- a) Pursuant to Regulation 401 KAR 59:015, Section 4(1)(c), particulate emissions shall not exceed 0.441 lb/MMBTU based on a three-hour average.
- b) Pursuant to Regulation 401 KAR 59:015, Section 4(2), emissions shall not exceed twenty (20) percent opacity based on a six-minute average except a maximum of forty (40) percent opacity for not more than six (6) consecutive minutes in any sixty (60) consecutive minutes during cleaning the firebox or blowing soot is allowed.
- c) Pursuant to Regulation 401 KAR 59:015, Section 5(1)(c), the sulfur dioxide emission rate shall not exceed 1.98 lbs/MMBTU based on a three-hour average.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

None

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

5. Specific Record Keeping Requirements:

a) The permittee shall maintain a file including monthly natural gas and/or number two fuel oil usage, and fuel oil sulfur content.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

NA

8. State-Origin Requirements:

a) Operating Limitations:

NA

b) Emission Limitations:

NA

9. Alternate Operating Scenarios:

NA

10. Compliance Schedule

NA

11. Compliance Certification Requirements

See Section F.

SECTION B -EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Emissions Unit: 03 (03) - SN-3 Indirect heat exchangers

Description:

Natural gas-fired unit

Number two fuel oil used as a secondary (backup) fuel

Maximum continuous rating: 6.0 MMBTU/hour

Applicable Regulations:

Regulation 401 KAR 59:015, New indirect heat exchangers, for units less than 250 MMBTU/hour commenced on or after April 9, 1972.

1. Operating Limitations:

None

2. Emission Limitations:

- a) Pursuant to Regulation 401 KAR 59:015, Section 4(1)(c), particulate emissions shall not exceed 0.441 lb/MMBTU based on a three-hour average.
- b) Pursuant to Regulation 401 KAR 59:015, Section 4(2), emissions shall not exceed twenty (20) percent opacity based on a six-minute average except a maximum of forty (40) percent opacity for not more than six (6) consecutive minutes in any sixty (60) consecutive minutes during cleaning the firebox or blowing soot is allowed.
- c) Pursuant to Regulation 401 KAR 59:015, Section 5(1)(c), the sulfur dioxide emission rate shall not exceed 1.98 lbs/MMBTU based on a three-hour average.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

None

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

5. Specific Record Keeping Requirements:

a) The permittee shall maintain a file including monthly natural gas and/or number two fuel oil usage, and fuel oil sulfur content.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

NA

8. State-Origin Requirements:

a) Operating Limitations:

NA

b) Emission Limitations:

NA

9. Alternate Operating Scenarios:

NA

10. Compliance Schedule

NA

11. Compliance Certification Requirements

See Section F.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Emissions Unit: 04 (SN-4) - Knit/Spiral Hose Line #1

Description:

Equipment includes: Two coolers, one reinforcing machine, one printer station, and one cutter (and two rubber extruders on insignificant activity list)

Applicable Regulations:

See Subsection 8, State Origin Requirements, and Section C, Insignificant Activities

1. Operating Limitations:

a) The maximum usage rate of ink in the printer station shall not exceed 0.1 gallon per hour in order to preclude Regulation 401 KAR 51:017, Prevention of significant deterioration of air quality. The hourly usage rate of ink shall be calculated from the monthly ink processed and hours of operation.

2. Emission Limitations:

a) The maximum emission rate of volatile organic compounds shall not exceed 0.87 pound per hour for printer station operations (with ink usage), to preclude Regulation 401 KAR 51:017, Prevention of significant deterioration of air quality. Compliance with the volatile organic compounds emission limitation shall be determined as follows:

1. The pounds per hour emission rate shall be calculated as follows: the gallons per hour of ink used x ink density in pounds per gallon x the weight fraction of organics in the ink.

b) See Section D, Condition 3.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

See Section F.

5. Specific Record Keeping Requirements:

a) Records of the monthly ink used (recording the name, density, weight fraction organics, and monthly amount used), and hours of operation, shall be maintained.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

NA

8. State-Origin Requirements:

Applicable Regulations:

State Regulation 401 KAR 63:022, New or modified sources emitting toxic air pollutants

a) Operating Limitations:

See Subsection 1.

b) Emission Limitations:

See Section D, Condition 4.

9. Alternate Operating Scenarios:

NA

10. Compliance Schedule

NA

11. Compliance Certification Requirements

See Section F.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Emissions Unit: 05 (SN-5) - Knit/Spiral Hose Line #2

Description:

Equipment includes: Two coolers, one reinforcing machine, one printer station, and one cutter (and two rubber extruders on insignificant activity list)

Applicable Regulations:

See Subsection 8, State Origin Requirements, and Section C, Insignificant Activities

1. Operating Limitations:

a) The maximum usage rate of ink in the printer station shall not exceed 0.1 gallon per hour in order to preclude Regulation 401 KAR 51:017, Prevention of significant deterioration of air quality. The hourly usage rate of ink shall be calculated from the monthly ink processed and hours of operation.

2. Emission Limitations:

a) The maximum emission rate of volatile organic compounds shall not exceed 0.87 pound per hour for printer station operations (with ink usage), to preclude Regulation 401 KAR 51:017, Prevention of significant deterioration of air quality. Compliance with the volatile organic compounds emission limitation shall be determined as follows:

1. The pounds per hour emission rate shall be calculated as follows: the gallons per hour of ink used x ink density in pounds per gallon x the weight fraction of organics in the ink.

b) See Section D, Condition 3.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

See Section F.

5. Specific Record Keeping Requirements:

a) Records of the monthly ink used (recording the name, density, weight fraction organics, and monthly amount used) and hours of operation shall be maintained.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

NA

8. State-Origin Requirements:

Applicable Regulations:

State Regulation 401 KAR 63:022, New or modified sources emitting toxic air pollutants

a) Operating Limitations:

See Subsection 1.

b) Emission Limitations:

See Section D, Condition 4.

9. Alternate Operating Scenarios:

NA

10. Compliance Schedule

NA

11. Compliance Certification Requirements

See Section F.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Emissions Unit: 06 (SN-6) - Knit/Spiral Hose Line #3

Description:

Equipment includes: Three coolers, one printer station, one reinforcing machine, and one cutter (and two rubber extruders on insignificant activity list)

Applicable Regulations:

See Subsection 8, State Origin Requirements, and Section C, Insignificant Activities

1. Operating Limitations:

a) The maximum usage rate of ink in the printer station shall not exceed 0.1 gallon per hour in order to preclude Regulation 401 KAR 51:017, Prevention of significant deterioration of air quality. The hourly usage rate of ink shall be calculated from the monthly ink processed and hours of operation.

2. Emission Limitations:

a) The maximum emission rate of volatile organic compounds shall not exceed 0.87 pound per hour for printer station operations (with ink usage), to preclude Regulation 401 KAR 51:017, Prevention of significant deterioration of air quality. Compliance with the volatile organic compounds emission limitation shall be determined as follows:

1. The pounds per hour emission rate shall be calculated as follows: the gallons per hour of ink used x ink density in pounds per gallon x the weight fraction of organics in the ink.

b) See Section D, Condition 3.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

See Section F.

5. Specific Record Keeping Requirements:

a) Records of the monthly ink used (recording the name, density, weight fraction organics, and monthly amount used), and hours of operation shall be maintained.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

NA

8. State-Origin Requirements:

Applicable Regulations:

State Regulation 401 KAR 63:022, New or modified sources emitting toxic air pollutants

a) Operating Limitations:

See Subsection 1.

b) Emission Limitations:

See Section D, Condition 4.

9. Alternate Operating Scenarios:

NA

10. Compliance Schedule

NA

11. Compliance Certification Requirements

See Section F.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Emissions Unit: 07 (SN-4, SN-5, SN-6, SN-7) - Off-line hose reinforcing operation and all adhesive application operations

Description:

Equipment includes: Three adhesive application operations (SN-4, SN-5, #3A at SN-6), one off-line adhesive application operation (SN-7), and a reinforcing machine (SN-7)

Applicable Regulations:

See Subsection 8, State Origin Requirements

1. Operating Limitations:

a) The maximum usage rate of solvents in all of the adhesive application operations (SN-4, SN-5, SN-6, SN-7) shall not exceed 2460 gallons per month, total, in order to preclude Regulation 401 KAR 51:017, Prevention of significant deterioration of air quality. The monthly usage rate of solvent shall be calculated from the monthly gallons of solvent processed.

2. Emission Limitations:

a) The maximum emission rate of volatile organic compounds shall not exceed 8.34 tons per month, total, for all the adhesive application operations (SN-4, SN-5, SN-6, SN-7), to preclude Regulation 401 KAR 51:017, Prevention of significant deterioration of air quality. Compliance with the volatile organic compounds emission limitation shall be determined as follows:

1. The tons per month emission rate shall be calculated as follows: (the gallons per month of solvent used in adhesive applications x solvent density in pounds per gallon) divided by 2000 pounds per ton.

b) See Section D, Condition 3.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

See Section F.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

5. Specific Record Keeping Requirements:

a) Records of the monthly solvents used (recording the name, density, and amount used), and gallons per month of solvents shall be maintained.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

NA

8. State-Origin Requirements:

Applicable Regulations:

State Regulation 401 KAR 63:022, New or modified sources emitting toxic air pollutants

a) Operating Limitations:

See Subsection 1.

b) Emission Limitations:

See Section D, Condition 4.

9. Alternate Operating Scenarios:

NA

10. Compliance Schedule

NA

11. Compliance Certification Requirements

See Section F.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Emissions Unit: 08 (SN-8) - Rubber Mill #1

Description:

Equipment includes: Rubber mill

Applicable Regulations:

Regulation 401 KAR 59:010, New process operations, for units commenced on or after July 2, 1975

1. Operating Limitations:

a) The maximum input of rubber shall not exceed 1,200 pounds per hour, the basis of the particulate standard from Regulation 401 KAR 59:010. The hourly input rate of rubber shall be calculated from the monthly rubber processed and hours of operation.

2. Emission Limitations:

a) Pursuant to Regulation 401 KAR 59:010, Section 3(2), particulate matter emissions into the open air shall not exceed $[3.59 (P)^{0.62}]$ pounds per hour based on a three-hour average, where P is the processing rate in tons per hour.

b) Pursuant to Regulation 401 KAR 59:010, Section 3(1)(a), any continuous emission(s) into the open air shall not equal or exceed twenty (20) percent opacity based on a six-minute average.

c) See Section D, Condition 3.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

See Section F.

5. Specific Record Keeping Requirements:

a) Records of the monthly rubber processed and hours of operation shall be maintained.

6. Specific Reporting Requirements:

See Section F.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

7. Specific Control Equipment Operating Conditions:

NA

8. State-Origin Requirements:

Applicable Regulations:

State Regulation 401 KAR 63:022, New or modified sources emitting toxic air pollutants

a) Operating Limitations:

See Subsection 1.

b) Emission Limitations:

See Section D, Condition 4.

9. Alternate Operating Scenarios:

NA

10. Compliance Schedule

NA

11. Compliance Certification Requirements

See Section F.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Emissions Units: 09 - 16 (SN-9 through SN-16) - Eight Autoclaves

Description:

Equipment includes: eight autoclaves

Applicable Regulations:

See Subsection 8, State Origin Requirements

1. Operating Limitations:

a) For each autoclave, the maximum processing rate of rubber shall not exceed 1200 pounds per hour, in order to preclude Regulation 401 KAR 51:017. The hourly processing rate of rubber shall be calculated from the monthly rubber processed and hours of operation.

2. Emission Limitations:

a) The maximum emission rate of volatile organic compounds shall not exceed 0.53 pound per hour for all eight autoclaves, total, to preclude Regulation 401 KAR 51:017, Prevention of significant deterioration of air quality. Compliance with the volatile organic compounds emission limitation shall be determined as follows:

1. The pounds per hour emission rate shall be calculated as follows: [pounds rubber per hour (total for all autoclaves) x 6.65E-05 lb VOC/lb rubber x 0.83 (the release/condensation factor)].

b) See Section D, Condition 3.

3. Testing Requirements:

See Subsection 8.

4. Specific Monitoring Requirements:

See Section F.

5. Specific Record Keeping Requirements:

a) Records of the monthly rubber processed and hours of operation shall be maintained.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

NA

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

8. State-Origin Requirements:

Applicable Regulations:

State Regulation 401 KAR 63:022, New or modified sources emitting toxic air pollutants

a) Operating Limitations:

See Subsection 1.

b) Emission Limitations:

See Section D, Condition 4.

c) Testing Requirements:

1. Pursuant to Regulation 401 KAR 50:045, Performance tests, the permittee shall conduct performance test(s) for carbon disulfide emissions, within four months of the original issuance date of this permit, at one autoclave while operating at the maximum rubber processing rate with use of Reference Method(s) specified in Regulation 401 KAR 50:015, Documents incorporated by reference. As necessary the permittee may modify the procedures from the Reference Method(s) to conform with the operations at the source and shall submit any proposed modifications to the Division in the protocol before testing.

2. Pursuant to Section VII 2.2.(1) of the policy manual of the Division for Air Quality as referenced by Regulation 401 KAR 50:016, Section 1.(1), at least one month prior to the date of the required performance test, the permittee shall complete and return a Compliance Test Protocol (Form DEP 6027) to the Division's Frankfort Central Office. Pursuant to Regulation 401 KAR 50:045, Section 5, the Division shall be notified of the actual test date at least ten (10) days prior to the test.

3. Pursuant to Section VII.3 of the policy manual of the Division for Air Quality as referenced by Regulation 401 KAR 50:016, Section 1(1), results of performance tests shall be submitted to the Division by the source or its representative within forty-five (45) days after the completion of the fieldwork.

9. Alternate Operating Scenarios:

NA

10. Compliance Schedule

NA

11. Compliance Certification Requirements

See Section F.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Emissions Unit: 20 (SN-20) - Number two fuel oil tank

Description:

Capacity: 12,000 gallons

Applicable Regulations:

Regulation 401 KAR 59:485, incorporating 40 CFR 60 Subpart Kb, Standards of performance for volatile organic liquid storage vessels (including petroleum liquid storage vessels) for which construction, reconstruction, or modification commenced after July 23, 1984.

1. Operating Limitations:

None

Compliance Demonstration Method:

None

2. Emission Limitations:

NA

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

See Section F.

5. Specific Record Keeping Requirements:

a) Pursuant to 40 CFR 60.116b (a) and (b), the permittee shall keep records for the life of the source showing the dimension of the storage vessel and an analysis showing the capacity of the vessel.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

NA

8. State-Origin Requirements:

a) Operating Limitations:

NA

b) Emission Limitations:

NA

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

9. **Alternate Operating Scenarios:**
NA
10. **Compliance Schedule**
NA
11. **Compliance Certification Requirements**
See Section F.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Emissions Unit: 23 (SN-23) - Hose Finishing Operations

Description:

Equipment includes: various cutters, jigs, markers, and finishing equipment

Applicable Regulations:

See Subsection 8, State Origin Requirements

1. Operating Limitations:

- a) The maximum usage rate of adhesive shall not exceed 58 gallons per month, in order to preclude Regulation 401 KAR 51:017, Prevention of significant deterioration of air quality. The usage rate of adhesive shall be calculated from the monthly adhesive used.
- b) The maximum usage rate of solvent shall not exceed 610 gallons per month, in order to preclude Regulation 401 KAR 51:017, Prevention of significant deterioration of air quality. The usage rate of solvent shall be calculated from the monthly solvent used.
- c) The maximum usage rate of ink in the printer station shall not exceed 30 gallons per month, in order to preclude Regulation 401 KAR 51:017, Prevention of significant deterioration of air quality. The usage rate of ink shall be calculated from the monthly ink used.

2. Emission Limitations:

- a) The maximum emission rate of volatile organic compounds from adhesive usage shall not exceed 0.2 ton per month for the adhesive application operations, to preclude Regulation 401 KAR 51:017, Prevention of significant deterioration of air quality.
- b) The maximum emission rate of volatile organic compounds from solvent usage shall not exceed 1.8 tons per month, to preclude Regulation 401 KAR 51:017, Prevention of significant deterioration of air quality.
- c) The maximum emission rate of volatile organic compounds from ink usage shall not exceed 0.1 ton per month, to preclude Regulation 401 KAR 51:017, Prevention of significant deterioration of air quality.
- d) See Section D, Condition 3.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

2. Emission Limitations continued:

For a), b), or c) Compliance with the volatile organic compounds emission limitations shall be determined as follows:

1. The tons per month emission rate shall be calculated as follows: [the gallons per month of adhesive, solvent, or ink (as appropriate) used x corresponding density in pounds per gallon x (percent volatile organics/100)] divided by 2000 pounds/ton.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

See Section F.

5. Specific Record Keeping Requirements:

a) Records of the monthly adhesive, solvent, and ink used (recording the name, density, percent volatile organics, and amount used for each adhesive, solvent, and ink) shall be maintained.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

NA

8. State-Origin Requirements:

Applicable Regulations:

State Regulation 401 KAR 63:022, New or modified sources emitting toxic air pollutants

a) Operating Limitations:

See Subsection 1.

b) Emission Limitations:

See Section D, Condition 4.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

9. Alternate Operating Scenarios:

NA

10. Compliance Schedule

NA

11. Compliance Certification Requirements

See Section F.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Emissions Unit: 24 (SN-24) - Dual durometer Line #1

Description:

Equipment includes: Super jet oven, oven #1, paint booth, oven #2

Applicable Regulations:

Regulation 401 KAR 59:010, New process operations, for units commenced on or after July 2, 1975

1. Operating Limitations:

a) The maximum usage rate of paint shall not exceed 0.7 gallon per hour, the basis of Regulation 401 KAR 59:010 allowable. The hourly usage rate of paint shall be calculated from the monthly paint used in the paint booth and hours of operation.

b) The maximum input rate of rubber for the entire durometer line shall not exceed 900 pounds per hour, in order to preclude Regulation 401 KAR 51:017, Prevention of significant deterioration of air quality. The hourly input rate of rubber shall be calculated from the monthly rubber processed and hours of operation.

2. Emission Limitations:

a) Pursuant to Regulation 401 KAR 59:010, Section 3 (2), particulate matter emissions into the open air (from the paint booth) shall not exceed 2.34 pounds per hour.

b) Pursuant to Regulation 401 KAR 59:010, Section 3(1)(a), any continuous emission(s) into the open air (from the paint booth) shall not equal or exceed twenty (20) percent opacity based on a six-minute average.

c) The maximum emission rate of volatile organic compounds shall not exceed 1.53 pounds per hour from the paint booth and paint curing oven, to preclude Regulation 401 KAR 51:017, Prevention of significant deterioration of air quality. Compliance with the volatile organic compounds emission limitation shall be determined as follows based on a material balance for the paint booth and paint curing oven:

1. The pounds per hour emission rate shall be calculated as follows: (the gallons per hour of paint used x paint density in pounds per gallon x weight fraction of organics in paint).

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

2. Emission Limitations continued:

d) The maximum emission rate of volatile organic compounds shall not exceed 0.74 pound per hour from all rubber curing ovens, to preclude Regulation 401 KAR 51:017, Prevention of significant deterioration of air quality. Compliance with the volatile organic compounds emission limitation shall be determined as follows based on a Rubber Manufacturer's Association (RMA) factor for curing:

1. The pounds per hour emission rate shall be calculated as follows: (pounds rubber per hour x $8.25E-04$ lb VOC/lb rubber cured).

e) See Section D, Condition 3.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

See Section F.

5. Specific Record Keeping Requirements:

a) Records of the monthly rubber processed, and monthly paint used (recording the amount, density, weight percent organics, weight percent solids, and name) and hours of operation shall be maintained.

b) Records regarding the maintenance (replacing filters) and operation of the filter unit for the paint booth shall be maintained.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

a) The filter unit (with disposable filters) for the paint booth shall be operated as necessary to maintain compliance with permitted emission limitations, in accordance with manufacturer's specifications and/or standard operating practices.

b) See Section E for further requirements.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

8. State-Origin Requirements:

Applicable Regulations:

State Regulation 401 KAR 63:022, New or modified sources emitting toxic air pollutants

a) Operating Limitations:

See Subsection 1.

b) Emission Limitations:

See Section D, Condition 4.

9. Alternate Operating Scenarios:

NA

10. Compliance Schedule

NA

11. Compliance Certification Requirements

See Section F.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Emissions Unit: 25 (SN-25) - Cascade Line #1

Description:

Equipment includes: Salt bath curing tanks #1 and #2, paint spray booth, hot air blower #2

Applicable Regulations:

Regulation 401 KAR 59:010, New process operations, for units commenced after July 2, 1975

1. Operating Limitations:

a) The maximum usage rate of paint and primer shall not exceed 1.3 gallons per hour, the basis of Regulation 401 KAR 59:010 allowable. The hourly usage rate of paint and primer shall be calculated from the monthly paint and primer used in the paint booth and hours of operation.

b) The maximum input rate of rubber for the entire cascade line shall not exceed 800 pounds per hour, in order to preclude Regulation 401 KAR 51:017, Prevention of significant deterioration of air quality. The hourly input rate of rubber shall be calculated from the monthly rubber processed and hours of operation.

2. Emission Limitations:

a) Pursuant to Regulation 401 KAR 59:010, Section 3 (2), particulate matter emissions into the open air (from the paint booth) shall not exceed 2.34 pounds per hour.

b) Pursuant to Regulation 401 KAR 59:010, Section 3(1)(a), any continuous emission(s) into the open air (from the paint booth) shall not equal or exceed twenty (20) percent opacity based on a six-minute average.

c) The maximum emission rate of volatile organic compounds shall not exceed 5.34 pounds per hour from the paint/primer booth and the hot air blower #2, to preclude Regulation 401 KAR 51:017, Prevention of significant deterioration of air quality. Compliance with the volatile organic compounds emission limitation shall be determined as follows based on a material balance for the paint booth operations:

1. The pounds per hour emission rate shall be calculated as follows: (the gallons per hour of paint/primer used x paint/primer density in pounds per gallon x weight fraction of organics in paint/primer).

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

2. Emission Limitations continued:

d) The maximum emission rate of volatile organic compounds shall not exceed 0.66 pound per hour from the salt bath curing operations, to preclude Regulation 401 KAR 51:017, Prevention of significant deterioration of air quality. Compliance with the volatile organic compounds emission limitation shall be determined as follows based on a Rubber Manufacturer's Association (RMA) factor for curing:

1. The pounds per hour emission rate shall be calculated as follows: (pounds per hour rubber x 8.25×10^{-4} lb VOC/lb rubber cured).

e) See Section D, Condition 3.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

See Section F.

5. Specific Record Keeping Requirements:

a) Records of the monthly rubber processed, and monthly paint/primer used (recording the amount, density, weight percent organics, weight percent solids, and name) and hours of operation shall be maintained.

b) Records regarding the maintenance (changing filters) and operation of the filter unit for the paint booth shall be maintained.

6. Specific Reporting Requirements:

See Section F.

7. Specific Control Equipment Operating Conditions:

a) The filter unit (with disposable filters) for the paint booth shall be operated as necessary to maintain compliance with permitted emission limitations, in accordance with manufacturer's specifications and/or standard operating practices.

b) See Section E for further requirements.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

8. State-Origin Requirements:

Applicable Regulations:

State Regulation 401 KAR 63:022, New or modified sources emitting toxic air pollutants

a) Operating Limitations:

See Subsection 1.

b) Emission Limitations:

See Section D, Condition 4.

9. Alternate Operating Scenarios:

NA

10. Compliance Schedule

NA

11. Compliance Certification Requirements

See Section F.

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to Regulation 401 KAR 50:035, Section 5(4).

For Point 24 (SN-24):

1. Extruders to which Regulation 401 KAR 59:010 applies.
2. Hot foam mastic unit.
3. Mastic unit.
4. Cooling drum and trough.
5. Cutter.
6. Natural gas combustion/natural gas process heaters rated at less than 1 MMBtu/hr.

For Point 25 (SN-25):

4. Extruders to which Regulation 401 KAR 59:010 applies.
5. Parts printer.
6. Laser printer.
7. Hot water wash.
8. Hot air blower #1.
9. Conveyor.
10. Cooling trough.
11. Cutter.
12. Natural gas combustion/natural gas process heaters rated at less than 1 MMBtu/hr.

Miscellaneous:

13. 80 gallon parts washer.

Points 18 (SN-18) and 19 (SN-19):

14. Two cold cleaning degreasers (parts washers).

SECTION C - INSIGNIFICANT ACTIVITIES CONTINUED

The following listed activities have been determined to be insignificant activities for this source pursuant to Regulation 401 KAR 50:035, Section 5(4).

For point 17 (SN-17):

15. Controlled pyrolysis cleaning furnace rated at 0.4 MMBtu/hr.

For point 21 (SN-21):

16. 300 gallon diesel storage tank.

For point 22 (SN-22):

17. 5,215 gallon mandrel lube storage tank.

For point 26 (SN-26):

18. Injection presses (with total input of 93.34 pounds per hour).

For points 04, 05, and 06 (SN-04, -05, and -06):

19. Rubber extruders (six) to which Regulation 401 KAR 59:010 applies.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. Particulate, sulfur dioxide, volatile organic compounds, visible (opacity) emissions, and toxic/hazardous air pollutants as measured by methods referenced in Regulation 401 KAR 50:015, Section 1, shall not exceed the respective limitations specified herein.
2. Compliance with annual emissions and processing limitations imposed pursuant to Regulation 401 KAR 50:035, Section 7(1)(a), and contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.
3. Sourcewide potential emissions of volatile organic compounds shall not exceed 225 tons per year. To demonstrate compliance with the emission limitations, processing rate limitations, and requirements contained herein, the permittee shall record monthly throughputs, processing rates, and solvent usage rates with corresponding information needed to determine emissions. The permittee shall calculate emissions monthly and assure compliance with the limitations herein.
4. State Origin Permit Condition: In accordance with State Regulation 401 KAR 63:022, New or modified sources emitting toxic air pollutants, the sourcewide emissions of toxic constituents listed below shall not exceed the emission limitations specified herein:

<u>Toxic Constituent</u>	<u>Pounds per Hour Emission Limit Not to be Exceeded</u>
Carbon disulfide	48.6
Isophorone	2.22
Trimethylbenzene	3.77

SECTION E - CONTROL EQUIPMENT CONDITIONS

1. Pursuant to Regulation 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any emissions unit including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS

1. When continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
 - a) Date, place as defined in this permit, and time of sampling or measurements;
 - b) Analyses performance dates;
 - c) Company or entity that performed analyses;
 - d) Analytical techniques or methods used;
 - e) Analyses results; and
 - f) Operating conditions during time of sampling or measurement.
2. Records, of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the source authorized by this permit for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality.
3. The permittee shall allow the Division or authorized representatives to perform the following:
 - a) Enter upon the premises where a source is located or emissions-related activity is conducted, or where records are kept;
 - b) Have access to and copy, at reasonable times, any records required by the permit:
 - i) During normal office hours, and
 - ii) During periods of emergency when prompt access to records is essential to proper assessment by the Division;
 - c) Inspect, at reasonable times, any facilities, equipment (including monitoring and pollution control equipment), practices, or operations required by the permit. Reasonable times shall include, but are not limited to the following:
 - i) During all hours of operation at the source,
 - ii) For all sources operated intermittently, during all hours of operation at the source and the hours between 8:00 a.m. and 4:30 p.m., Monday through Friday, excluding holidays, and
 - iii) During an emergency; and
 - d) Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements. Reasonable times shall include, but are not limited to the following:
 - i) During all hours of operation at the source,
 - ii) For all sources operated intermittently, during all hours of operation at the source and the hours between 8:00 a.m. and 4:30 p.m., Monday through Friday, excluding holidays, and
 - iii) During an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

5. Reports of any monitoring, of any record keeping, and of any calculations required by this permit, other than continuous emission or opacity monitors, shall be submitted to the Division's Ashland Regional Office no later than the six-month anniversary date of this permit and every six months thereafter during the life of this permit, unless otherwise stated in this permit. Data from the continuous emission and opacity monitors shall be reported to the Director in accordance with the requirements of Regulation 401 KAR 59:005, General Provisions, Section 3(3). All reports shall be certified by a responsible official pursuant to Section 6 (1) of Regulation 401 KAR 50:035, Permits. All deviations from permit requirements shall be clearly identified in the reports.
6. In accordance with Regulation 401 KAR 50:055, Section 1, the owner or operator shall notify the Division for Air Quality's Ashland Regional Office by telephone or fax as promptly as possible of any deviation from permit requirements, including those due to malfunctions, unplanned shutdowns, ensuing startups, or upset conditions, and report excess emissions. For this source, promptly will be defined as twenty-four (24) hours from the occurrence of the deviation. Pursuant to Regulation 401 KAR 50:035, Section 7(1)(e), the permittee shall submit a written notice describing the probable cause of the deviations and corrective actions or preventive measures taken within two (2) working days from the occurrence of the deviation when technology-based emission limitation(s) were exceeded.
7. The permittee shall certify compliance with the terms and conditions contained in this permit, annually on the permit issuance anniversary date to the Division for Air Quality's Ashland Regional Office and the U.S. EPA in accordance with the following requirements:
 - a) Identification of each term or condition of the permit that is the basis of the certification;
 - b) The compliance status regarding each term or condition of the permit;
 - c) Whether compliance was continuous or intermittent;
 - d) The method used for determining the compliance status for the source, currently and over the reporting period, pursuant to Regulation 401 KAR 50:035, Section 7(1) (c), (d), and (e);
 - e) Other facts the Division may require to determine the compliance status of the source; and
 - f) The certification shall be postmarked by the thirtieth (30th) day following the applicable permit issuance anniversary date.
8. In accordance with Regulation 401 KAR 50:035, Section 23, the permittee shall report all information necessary to determine its subject emissions.

SECTION G - GENERAL CONDITIONS

a) General Compliance Requirements

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be (a) violation(s) of State Regulation 401 KAR 50:035, Permits, Section 7(3)(d) and for federally enforceable permits is also a violation of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) and is grounds for enforcement action including but not limited to the termination, revocation and reissuance, or revision of this permit.
2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition.
3. This permit may be revised, revoked, reopened and reissued, or terminated for cause. The permit will be reopened for cause and revised accordingly under the following circumstances:
 - i) If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to Regulation 401 KAR 50:035, Section 12(2)(c);
 - ii) The Division or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit; or
 - iii) The Division or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.
4. The permittee shall furnish to the Division, in writing, information that the Division may request to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit.

SECTION G - GENERAL CONDITIONS (CONTINUED)

5. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit.
6. Pursuant to Regulation 401 KAR 50:035, Section 7(3)(e), the permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance.
7. Except as identified as state-origin requirements in this permit, all terms and conditions contained herein shall be enforceable by the United States Environmental Protection Agency and citizens of the United States.
8. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within ninety (90) days after the date of notice as specified in Regulation 401 KAR 50:038, Section 3(6).
9. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance.
10. This permit shall not convey property rights or exclusive privileges.
11. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Natural Resources and Environmental Protection or any other federal, state, or local agency.
12. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry.
13. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders.
14. Permit shield: Except as provided in State Regulation 401 KAR 50:035, Permits, compliance by the emissions units listed herein with the conditions of this permit shall be deemed compliance with all applicable requirements identified in this permit as of the date of issuance of this permit.
15. Fugitive emissions shall be controlled in accordance with Regulation 401 KAR 63:010.
16. Emission limitations listed in this permit shall apply at all times except during periods of startup, shutdown, or malfunctions in accordance with Regulation 401 KAR 50:055, as long as the permittee follows the requirements of Regulation 401 KAR 50:055.

SECTION G - GENERAL CONDITIONS (CONTINUED)

b) Permit Expiration and Reapplication Requirements

1. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue, February 18, 1998. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six (6) months prior to the expiration date of the permit. Upon a timely and complete application submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division.

c) Permit Revisions

1. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the State Implementation Plan or in applicable requirements and meet the relevant requirements of Regulation 401 KAR 50:035, Section 15.
2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority thirty (30) days in advance of the transfer.

d) Construction, Start-Up, and Initial Compliance Certification Requirements

1. Construction of process and/or air pollution control equipment authorized by this permit shall be conducted and completed only in compliance with the conditions of this permit.
2. Within thirty (30) days following commencement of construction, and within fifteen (15) days following start-up, and attainment of the maximum production rate specified in the permit application, or within fifteen (15) days following the issuance date of this permit, whichever is later, the permittee shall furnish to the Division for Air Quality's Ashland Regional Office in writing, with a copy to the Division's Frankfort Central Office, notification of the following:
 - a) The date when construction commenced.
 - b) The date of start-up of the emissions units listed in this permit.
 - c) The date when the maximum production rate specified in the permit application was achieved.

SECTION G - GENERAL CONDITIONS (CONTINUED)

3. Pursuant to State Regulation 401 KAR 50:035, Permits, Section 13(1), unless construction is commenced on or before 18 months after the date of issue of this permit, or if construction is commenced and then stopped for any consecutive period of eighteen (18) months or more, then the construction and operating authority granted by this permit for those emissions units for which construction was not completed shall immediately become invalid. Extensions of the time periods specified herein may be granted by the Division upon a satisfactory request showing that an extension is justified.
4. Operation of the emissions units for which construction is authorized by this permit shall not commence until compliance with the applicable standards specified herein has been demonstrated pursuant to Regulation 401 KAR 50:055, except as provided in Section I of this permit.
5. This permit shall allow time for the initial start-up, operation, and compliance demonstration of the emissions units listed herein. However, within sixty (60) days after achieving the maximum production rate at which the emissions units will be operated but not later than one hundred eighty (180) days after initial start-up of such units, the permittee shall demonstrate compliance to a duly authorized representative of the Division.

SECTION G - GENERAL CONDITIONS (CONTINUED)

e) Emergency Provisions

1. An emergency shall constitute an affirmative defense to an action brought for noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or other relevant evidence that:
 - i) An emergency occurred and the permittee can identify the cause of the emergency;
 - ii) The permitted facility was at the time being properly operated;
 - iii) During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and,
 - iv) The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two working days after the time when emission limitations were exceeded due to the emergency. The notice shall meet the requirements of Regulation 401 KAR 50:035, Permits, Section 7(1)(e), and include a description of the emergency, steps taken to mitigate emissions, and the corrective actions taken. This requirement does not relieve the source of any other local, state or federal notification requirements.
2. Emergency conditions listed in General Condition (e)1., above, are in addition to any emergency or upset provision(s) contained in an applicable requirement.
3. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof.

f) Risk Management Provisions under CAA 112(r)

1. The permittee shall comply with all applicable requirements of 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall:
 - a. Submit a Risk Management Plan to U.S. EPA, Region IV with a copy to this Division and comply with the Risk Management Program by June 21, 1999 or a later date specified by the U.S. EPA.
 - b. Submit additional relevant information if requested by the Division or U.S. EPA.

SECTION G - GENERAL CONDITIONS (CONTINUED)

g) Ozone Depleting Substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 - a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
 - b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipments contained in 40 CFR 82.158.
 - c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
 - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined in 40 CFR 82.152) shall comply with the record keeping requirements pursuant to 40 CFR 82.166.
 - e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
 - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

SECTION H - ALTERNATE OPERATING SCENARIOS

None

SECTION I - COMPLIANCE SCHEDULE

None